



COMMONWEALTH of VIRGINIA
DEPARTMENT OF FORENSIC SCIENCE

CALIBRATION LABORATORY
A Nationally Accredited Laboratory

737 NORTH 5TH STREET
RICHMOND, VIRGINIA 23219
(804) 786-6971

CERTIFICATE OF INSTRUMENT ACCURACY

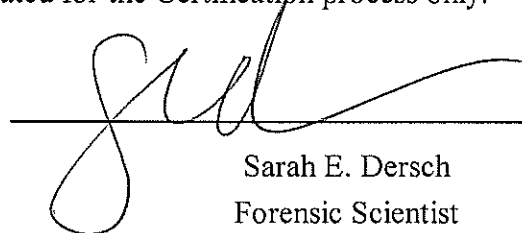
INSTRUMENT: Intox EC/IR II
SERIAL NUMBER: 010658
CERTIFICATION DATE: November 19, 2014
DATE RECERTIFICATION DUE: May 18, 2015

The above listed instrument was found to meet all requirements for accuracy and performance established by the Department of Forensic Science as required by §9.1-1101 (B)(3). Measurement traceability is established through the use of reference materials supplied by an ISO/IEC 17025:2005 accredited calibration laboratory.

Estimation of Uncertainty of Measurement:

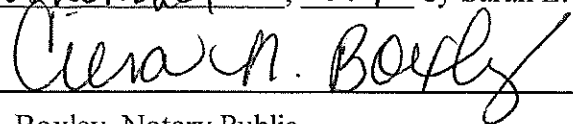
0.020 ± 0.004 g/210 L 0.150 ± 0.007 g/210 L
0.080 ± 0.004 g/210 L 0.250 ± 0.007 g/210 L

The Uncertainty of Measurement is reported at the 99.73% level of confidence and a coverage factor of k=3. The estimation of the Uncertainty of Measurement is calculated for the Certification process only.


Sarah E. Dersch
Forensic Scientist

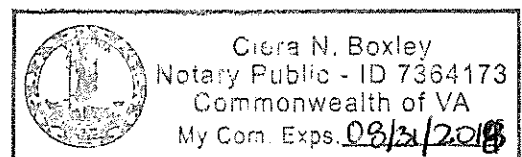
CITY OF RICHMOND
COMMONWEALTH OF VIRGINIA

The foregoing was acknowledged before me this 20th day of
November, 2014 by Sarah E. Dersch


Ciera N. Boxley, Notary Public

My commission expires: August 31, 2018

JPD



Department of Forensic Science
Breath Alcohol Section
Instrument Maintenance History
11/19/2013 To 11/19/2014

HMS
SED

Instrument Serial Number: 010658 As of 20-Nov-14

Maintenance Date	Certification Date	Technician Initials	Remarks
19-Nov-14	19-Nov-14	HMS (18910)	CERTIFIED, REPLACED DRY GAS STANDARD.
18-Jun-14	18-Jun-14	SED (24178)	CERTIFIED.
08-Jan-14	08-Jan-14	HMS (18910)	CERTIFIED, REPLACED DRY GAS STANDARD.

HHS
Jed

INTOX EC/IR II

Quality Assurance Worksheet

Instrument Serial Number 010658 Worksheet Start Date 11/19/2014

Location Norfolk Naval Base

Address 1957 Taussig Blvd., Norfolk, VA 23511

DFS Technician Heather Stanton License No. 18910

☐ Laboratory

☒ On-Site

Site Specification: No detrimental environmental conditions exist. ☒

Instrument Barometer (mm HG) 779 Reference Barometer (mm HG) 772

Reference Barometer(RB)Serial # 009113 RB Calibration Due 4/28/2015

Measurement Assurance Check

Standard (sea level)	PA Target	minimum	maximum	Sample 1	0.306
0.300	0.307	0.297	0.316	Sample 2	0.306
Precision		sample min	sample max	Sample 3	0.306
0		0.306	0.306		

Standard (sea level)	PA Target	minimum	maximum	Sample 1	0.101
0.100	0.102	0.098	0.105	Sample 2	0.101
Precision		sample min	sample max	Sample 3	0.101
0		0.101	0.101		

Dry gas standard Lot No. (with tank no.) AG425201-30

☒ Replaced dry gas standard (+O-ring)

☐ Installed at Location

☐ Removed to DFS-Central

Supplies
Mouthpieces
Certificates of Analysis
Operator Worksheet
Other:



Notes:

Instrument Serial Number

010658

Certification Date

11/19/2014

☐ Calibrated☒ Certified☒ Measurement Assurance Check☒ Instrument Test☐ Troubleshooting/Maintenance Worksheet Completed

(Successful completion denotes satisfactory condition of the item.)

Standard (sea level)	PA Target	minimum	maximum	Sample 1	0.256
0.250	0.256	0.248	0.263	Sample 2	0.255
Precision		sample min	sample max	Sample 3	0.255
0.001		0.255	0.256		

Standard (sea level)	PA Target	minimum	maximum	Sample 1	0.153
0.150	0.154	0.149	0.158	Sample 2	0.153
Precision		sample min	sample max	Sample 3	0.153
0		0.153	0.153		

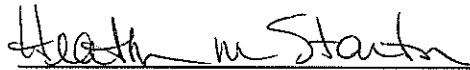
Standard (sea level)	PA Target	minimum	maximum	Sample 1	0.081
0.080	0.082	0.079	0.085	Sample 2	0.081
Precision		sample min	sample max	Sample 3	0.081
0		0.081	0.081		

Standard (sea level)	PA Target	minimum	maximum	Sample 1	0.019
0.020	0.021	0.018	0.024	Sample 2	0.020
Precision		sample min	sample max	Sample 3	0.020
0.001		0.019	0.020		

All measurements are in g/210L

Estimation of Uncertainty of Measurement and traceability records are located within the Breath Alcohol Section

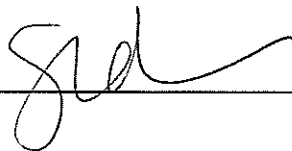
DFS Technician



Date

11/20/14

Issuing Analyst



Date

11/20/14

HMS
Sul

Intox EC/IR-II: Certification

Department of Forensic Science

Serial Number: 010658 Test Number: 535
Test Date: 11/19/2014 Test Time: 10:44 EST

Technician Initials: HMS

Dry Gas Target: 0.256

Lot Number: 1611425014-03 Exp Date: 07/05/2016

Tank Pressure: 443 psi Barometric Pressure: 779 mmHg
System Check: Passed

Test	g/210L	Time
DIAG	Pass	10:45
BLK	0.000	10:45
CHK	0.256	10:46
BLK	0.000	10:48
CHK	0.255	10:48
BLK	0.000	10:50
CHK	0.255	10:51
BLK	0.000	10:52

Success

Standard Value (at sea level): 0.250 g/210L

Certification Status: Continued

HMS
Jed

Intox EC/IR-II: Certification

Department of Forensic Science

Serial Number: 010658 Test Number: 536
Test Date: 11/19/2014 Test Time: 10:54 EST

Technician Initials: HMS

Dry Gas Target: 0.154

Lot Number: 1611415013-01 Exp Date: 07/05/2016

Tank Pressure: 664 psi Barometric Pressure: 779 mmHg
System Check: Passed

Test	g/210L	Time
DIAG	Pass	10:54
BLK	0.000	10:55
CHK	0.153	10:55
BLK	0.000	10:57
CHK	0.153	10:58
BLK	0.000	10:59
CHK	0.153	11:00
BLK	0.000	11:01

Success

Standard Value (at sea level): 0.150 g/210L

Certification Status: Continued

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sd

Intox EC/IR-II: Certification

Department of Forensic Science

Serial Number: 010658 Test Number: 537
Test Date: 11/19/2014 Test Time: 11:03 EST

Technician Initials: HMS

Dry Gas Target: 0.082

Lot Number: 34413080I2-01 Exp Date: 01/01/2016

Tank Pressure: 571 psi Barometric Pressure: 779 mmHg

System Check: Passed

Test	g/210L	Time
DIAG	Pass	11:03
BLK	0.000	11:04
CHK	0.081	11:05
BLK	0.000	11:06
CHK	0.081	11:06
BLK	0.000	11:08
CHK	0.081	11:09
BLK	0.000	11:10

Success

Standard Value (at sea level): 0.080 g/210L

Certification Status: Continued

Handwritten initials and signature in the top right corner.

Intox EC/IR-II: Certification

Department of Forensic Science

Serial Number: 010658 Test Number: 538
Test Date: 11/19/2014 Test Time: 11:11 EST

Technician Initials: HMS

Dry Gas Target: 0.021

Lot Number: 3441302011-02 Exp Date: 01/01/2016

Tank Pressure: 257 psi Barometric Pressure: 779 mmHg

System Check: Passed

Test	g/210L	Time
DIAG	Pass	11:12
BLK	0.000	11:13
CHK	0.019	11:13
BLK	0.000	11:15
CHK	0.020	11:15
BLK	0.000	11:17
CHK	0.020	11:17
BLK	0.000	11:19

Success

Standard Value (at sea level): 0.020 g/210L

Certification Status: Success

Handwritten initials/signature in the top right corner.

Intox EC/IR-II: Accuracy Check

Department of Forensic Science

Serial Number: 010658 Test Number: 539

Test Date: 11/19/2014 Test Time: 11:22 EST

Dry Gas Target: 0.307

Lot Number: AG421201-04 Exp Date: 07/31/2016

Tank Pressure: 75 psi Barometric Pressure: 778 mmHg

System Check: *Passed*

Test	g/210L	Time
BLK	0.000	11:23
CHK	0.306	11:23
BLK	0.000	11:25
CHK	0.306	11:26
BLK	0.000	11:28
CHK	0.306	11:28

Test Status: *Success*

Calibration CRC: 624A3309

Handwritten initials/signature

Intox EC/IR-II: Accuracy Check

Department of Forensic Science

Serial Number: 010658 Test Number: 540

Test Date: 11/19/2014 Test Time: 11:31 EST

Dry Gas Target: 0.102

Lot Number: AG425201-30 Exp Date: 09/09/2016

Tank Pressure: 1115 psi Barometric Pressure: 778 mmHg

System Check: *Passed*

Test	g/210L	Time
BLK	0.000	11:31
CHK	0.101	11:32
BLK	0.000	11:34
CHK	0.101	11:35
BLK	0.000	11:36
CHK	0.101	11:37

Test Status: *Success*

Calibration CRC: 624A3309




COMMONWEALTH OF VIRGINIA
DEPARTMENT OF FORENSIC SCIENCE

CERTIFICATE OF BLOOD ALCOHOL ANALYSIS
AS DETERMINED BY A CHEMICAL TEST OF THE ACCUSED'S BREATH

Handwritten initials/signature in the top right corner.

NAME OF ACCUSED INSTRUMENT, TEST,	NAME OF COURT DFS
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BREATH ANALYSIS

SAMPLE EXAMINED AND TEST CONDUCTED BY STANTON, HEATHER, M		AGENCY DFS Central Lab
DFS LICENSE NUMBER 18910	LICENSE EXPIRES 10/01/2016	DATE TEST CONDUCTED 11/19/2014
TEST EQUIPMENT NUMBER 010658		

RESULTS: TIME SAMPLE TAKEN 11:44 EST

SAMPLE'S ALCOHOL CONTENT 0.00 GRAMS PER 210 LITERS OF BREATH

ATTEST:

I CERTIFY THAT THE ABOVE IS AN ACCURATE RECORD OF THE TEST CONDUCTED; THAT THE TEST WAS CONDUCTED WITH THE TYPE OF EQUIPMENT AND IN ACCORDANCE WITH THE METHODS APPROVED BY THE DEPARTMENT OF FORENSIC SCIENCE; THAT THE TEST WAS CONDUCTED IN ACCORDANCE WITH THE DEPARTMENT'S SPECIFICATIONS; THAT PRIOR TO ADMINISTRATION OF THE TEST THE ACCUSED WAS ADVISED OF HIS RIGHT TO OBSERVE THE PROCESS AND SEE THE BLOOD ALCOHOL READING ON THE EQUIPMENT USED TO PERFORM THE BREATH TEST, AND THAT I POSSESS A VALID LICENSE TO CONDUCT SUCH TEST, GIVEN UNDER MY HAND THIS _____ DAY OF _____, 20_____.

BREATH TEST OPERATOR

☐ I HAVE RECEIVED A COPY OF THIS CERTIFICATE OF ANALYSIS _____ SUBJECT'S SIGNATURE

☐ SUBJECT REFUSED TO SIGN FOR COPY OF CERTIFICATE OF ANALYSIS _____ OPERATOR'S SIGNATURE



IntoxNet MIS Report

Report Generated 19 Nov 2014 at 11:55

Handwritten signatures and initials.

Test Results

Instrument Serial Number 010658

Test # 000541 Subject Test

Test Location 1 Department of
Test Date 19 Nov 2014

Test Location 2 Forensic Science
Test Time 11:38
Remote/Local Local

Test Location 3
System Check Passed

Operator's Last Name STANTON
Agency DFS Central Lab

Operator's First Name HEATHER

Operator's Middle Initial M

Card Serial Number 118910

License Number 18910

Effective Date 10/01/2014

Expiration Date 10/01/2016

Subject's Last Name INSTRUMENT

Subject's First Name TEST

Subject's Middle Initial

Subject's Date of Birth 00/00/0000

Subject's Sex Male

Driver's License Number

Driver's License Expiration 00/00/0000

Driver's License State

Court Name DFS

End Date 19 Nov 2014 End Time 11:46

Result Time 11:44

Result Date 19 Nov 2014 Result 0.00

Data Type DIAG

Sample Value Pass

Sample Time 11:38

Data Type BLK

Sample Value 0.000

Sample Time 11:39

Data Type CHK

Sample Value 0.101

Sample Time 11:40

Data Type BLK

Sample Value 0.000

Sample Time 11:41

Data Type SUBJ

Sample Value 0.000

Sample Time 11:42

Data Type BLK

Sample Value 0.000

Sample Time 11:43

Data Type SUBJ

Sample Value 0.000

Sample Time 11:44

Data Type BLK

Sample Value 0.000

Sample Time 11:45

Standard Type Dry Gas Std

Standard Value 0.102

Standard Lot Number AG425201-30

Standard Expiration Date 09/09/2016

Tank Pressure 1120

Barometric Pressure 778 mmHg

Blow Sample Number 1 Blow Duration 3.34 sec

Blow Volume 1773 cc End-of-Blow Time 11:42

Blow Sample Number 2 Blow Duration 3.37 sec

Blow Volume 1791 cc End-of-Blow Time 11:44

Tamper Evident Stamp 0df77cc1

Test Status Code 0

Test Status Success